

Supplementary Table 1. Primer sequences used for gene amplification, qRT-PCR and genotyping.

primer name	sequence 5'-3'
mHPRT-F	CGT CGT GAT TAG CGA TGA TG
mHPRT-R	TAT GTC CCC CGT TGA CTG AT
442-XbaI-R1	AGT TCT AGA GGC TCG AGA GGG
Lis1-Ex7-F1	GGC TTA CTC GAG TTA AGG CTA
RT-hEF-Prom-F99	CAG CAT TAA GAT CCA GGT GTC AG
RT-hEF-Prom-R99	GCA CCA TTT TGG CTG TAA TGT C
Lis1-Ex2-F2	GGG AGT GAA GGA CGG AAG AG
Lis1-Ex3-R1-Iris	GGG ACA GCA CCA TTT TGG CTG
Lis1-RT-Ex2a-F9	CAT CCC ATC TCT CCA CTC CAT TAG G
Lis1-RT-Ex3-R9	GTG GCT TCC ACA GAG GGA AAA ATG
qRT-PCR-Sdha-F	GCT TGC GAG CTG CAT TTG G
qRT-PCR-Sdha-R	CAT CTC CAG TTG TCC TCT TCC A
Lis1 20 sense	AAG GTG GTC AAG ATT GAG GTG ATG AG
Lis1 21 antisense	CAC ACC AGC ATT CTA AAC AGT GCA AT
2A53 antisense	AGT GAG GCT TCT AGG ACA AGA GG
RT-PGK2-Prom-F99	CAG CAT TAA GAT CCA GGT GTC AG
RT-PGK2-Prom-R99	GCA CCA TTT TGG CTG TAA TGT C
Lispi-F	TTC TCT GTC ACT ACC CTC AGC
Lispi-R	CGG AAT ATG CCT CTT CAT AGC